AMENDMENTS TO THE CLAIMS

1	1. (Currently amended) A balancing vertical load device for a motor, to be used in
2	combination with a vertical driving device with controlled force and positioning, comprising
3	a motor assembly comprising a motor, and a load weight which, driven by said
4	motor, performs a vertical movement; and
5	a sealed air pressure system comprising an air cylinder, a piston gliding inside saic
6	air cylinder with low friction and being connected with said load weight, an air container
7	with an air volume such that with a piston velocity of up to 2 m/s, a pressure differentia
8	created by movement of said piston during operation of said device is less than 3 percent
9	and an air pressure source to supply sufficient pressure to initiate operation;
10	wherein said sealed air pressure system balances a load of said load weight, so that
11	precise control of force and position of a vertically moving object, as if moving horizontally
12	is achieved.
1	2. (Original) The balancing vertical load device for a motor according to claim 1
2	wherein said motor assembly has a feeding system for vertical position and force control.
1	3. (Original) The balancing vertical load device for a motor according to claim 1
2	wherein a valve is inserted between said air pressure source and said air container for
3	adjusting air pressure in said air container to modify balancing force.
	v
1	4. (Currently amended) The balancing vertical load device for a motor according to
2	claim 1, wherein said motor assembly and said sealed air pressure system are mounted

- on a frame, with space within said frame being used for said air container to minimize
- 4 space requirements for the system.
 - 5. (Canceled)